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CLAIMS

1. Exhaust system component for use in an exhaust system of a motor vehicle, the exhaust system component comprising a double wall surrounding a space through which exhaust gas may flow when said exhaust system component is in use in an exhaust system, said double wall being comprised of a first and second metal wall that define between them a gap, said gap comprising an insulation material made of chopped aluminium silicate glass fibers.
2. Exhaust system component according to claim 1 wherein said chopped aluminium silicate glass fibers are magnesium aluminium silicate glass fibers.
3. Exhaust system component according to claim 1 or 2 wherein said chopped aluminium silicate glass fibers have a number average diameter of $5\mu\text{m}$ or more and a length of 0.5 to 15cm.
4. Exhaust system component according to claim 3 wherein said chopped magnesium aluminium silicate glass fibers comprise aluminium oxide in an amount of 10 to 30% by weight, silicon dioxide in an amount of 52 to 70% by weight and magnesium oxide in an amount of 1 to 12% by weight based on the total weight of the glass fiber and wherein the weight percentages of aluminium oxide, silicon dioxide and magnesium oxide are calculated on a theoretical basis as Al_2O_3 , SiO_2 and MgO respectively.
5. Exhaust system component according to claim 3 wherein said chopped magnesium aluminium silicate glass fibers are selected from the group consisting of E-glass, S-glass, S2-glass, R-glass and a mixture thereof.
6. Exhaust system component according to claim 1 wherein said insulation material is comprised of two or more layers differing in glass fiber composition.
7. Exhaust system component according to claim 1 wherein said insulation material is comprised of at least 90% by weight of said chopped aluminium silicate glass fibers.

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8. Exhaust system component according to claim 1 wherein said chopped aluminium silicate glass fibers are bonded together and wherein the mount density of said insulation material is between 0.1 and 0.45 g/cm³.

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9. Exhaust system component according to any of the previous claims wherein said exhaust system component is an exhaust pipe.

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10. Exhaust system component according to any of claims 1 to 8 wherein said exhaust system component is a pollution control device comprising a metal housing in which there is mounted a pollution control monolith and at least one transition zone defined between the pollution control monolith and an inlet or outlet of said pollution control device and wherein said pollution control device comprises said double wall in said transition zone.

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11. Exhaust system component according to any of the previous claims wherein said insulation material comprises a mat or an end cone preform.

12. Exhaust system for use in a motor vehicle comprising an exhaust system component as defined in any of claims 1 to 11.

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13. End cone preform comprising an insulation material made of chopped aluminium silicate glass fibers.

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14. End cone preform according to claim 13 wherein said chopped aluminium silicate glass fibers are magnesium aluminium silicate glass fibers.

15. End cone preform according to claim 13 or 14 wherein said chopped aluminium silicate glass fibers have a number average diameter of 5µm or more and a length of 0.5 to 15cm.

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5 16. End cone preform according to claim 14 wherein said chopped magnesium
aluminium silicate glass fibers comprise aluminium oxide in an amount of 10 to 30%
by weight, silicon dioxide in an amount of 52 to 70% by weight and magnesium oxide
in an amount of 1 to 12% by weight based on the total weight of the glass fiber and
10 wherein the weight percentages of aluminium oxide, silicon dioxide and magnesium
oxide are calculated on a theoretical basis as Al_2O_3 , SiO_2 and MgO respectively.

15 17. End cone preform according to claim 14 wherein said chopped magnesium
aluminium silicate glass fibers are selected from the group consisting of E-glass, S-
glass, S2-glass, R-glass and a mixture thereof.

18. End cone preform according to claim 13 wherein said insulation material is
comprised of at least 90% by weight of said chopped aluminium silicate glass fibers.